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concluded

The present invention provides a method of producing display apparatus, which method comprises providing a curved projection screen, providing at least one projector for providing a display on the screen, positioning the said at least one projector outside an enclosed display volume, providing a curved collimating mirror via which the image is viewed such that the image distance is greater than the radius of the mirror, and selecting the shape and/or position of the screen in order to provide a variable image distance within the total field-of-view of the display apparatus.

The present invention also provides a method of producing display apparatus, which method comprises providing a curved projection screen, at least one projector which is for providing an image on the screen, and a curved collimating mirror via which the image is viewed, and the method being such as to vary the screen shape and/or dimension from its center in its design and manufacture, with the effect that the apparent image distance, as viewed via the collimating mirror, varies in response to the variation in screen shape and/or dimension.

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Referring now to Figures 9 and 10, there is shown display apparatus 50 of the present invention. The display apparatus 50 comprises a curved front projection display screen 60, a plurality of projectors 54, and a collimating mirror 62 which is formed from aluminised polyester film drawn to a partial vacuum using a chamber 52. One projector 54 is shown in Figure 9 for simplicity of illustration. Two projectors 54 are shown in Figure 10. Also shown in Figures 9 and 10 is a cab 56. Figure 9 shows a driver 58 in the cab 56. The projectors 54 are for providing a display on the screen 60 which is of the front projection type in that an image is reflected from the same surface on to which it is projected. As can be seen, the projectors 54 are positioned behind the mirror chamber 52. The front projection display screen 60 is utilised for receiving images from